

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)		Application Number	10823400
		Filing Date	2004-04-13
		First Named Inventor	Ralph Bauer
		Art Unit	1796
		Examiner Name	Tae H. Yoon
		Attorney Docket Number	1035-A1363

U.S. PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	3136644		1964-06-09	Pangonis	
	2	3202626		1965-08-24	FitzSimmons	
	3	3117944		1964-01-14	Harrell	
	4	3790495		1974-02-05	Fodschus	
	5	3056747		1962-10-02	Arthur, Jr.	
	6	6280839		2001-08-28	Brown et al.	
	7	6506358		2003-01-14	Stamires et al.	
If you wish to add additional U.S. Patent citation information please click the Add button.						
U.S. PATENT APPLICATION PUBLICATIONS						

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10823400
Filing Date	2004-04-13
First Named Inventor	Ralph Bauer
Art Unit	1796
Examiner Name	Tae H. Yoon
Attorney Docket Number	1035-A4363

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20030185739		2003-10-02	Mangold et al.	
	2	20030095905		2003-05-22	Scharfe et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button.

**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup>	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1	H4-78586	JP		1986-09-11	SHIKOKU KAKEN KOGYO KK et al.	Abstract in English	<input type="checkbox"/>
	2	2686833	JP		1997-12-08	SHIKOKU KAKEN KOGYO CO LTD	Abstract in English	<input type="checkbox"/>
	3	2003-238826	JP		2003-08-27	DEGUSSA	Abstract in English	<input type="checkbox"/>
	4	199 31 204	DE	A1	2001-01-18	RWE DEA AG [DE]	Abstract in English	<input type="checkbox"/>
	5	2004-1463	JP		2004-01-08	OJI PAPER CO	Abstract in English	<input type="checkbox"/>
	6	2001-323188	JP		2001-11-20	NISSHIN STEEL CO LTD	Abstract in English	<input type="checkbox"/>

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** ( Not for submission under 37 CFR 1.99)

Application Number		10823400
Filing Date		2004-04-13
First Named Inventor	Ralph Bauer	
Art Unit	1796	
Examiner Name	Tae H. Yoon	
Attorney Docket Number	1035-A4363	

7	2003-313027	JP		2003-11-06	TAIMEI CHEMICALS CO LTD	Abstract in English	<input type="checkbox"/>
8	2001-139326	JP		2001-05-22	SUMITOMO CHEMICAL CO	Abstract in English	<input type="checkbox"/>
9	S63-131321	JP		1988-06-03	SUMITOMO CHEMICAL CO	Abstract in English	<input type="checkbox"/>
10	2000-86235	JP		2000-03-28	KAWAI LIME IND et al.	Abstract in English	<input type="checkbox"/>
11	03/11941	WO	A2	2003-02-13	BASF AKTIENGESELLSCHAFT [DE/DE]	Abstract in English	<input type="checkbox"/>
12	10-2001-0047270	KR	A	2001-06-15		English abstract not available	<input type="checkbox"/>
13	03/11941	WO	A3	2003-02-13	BASF AKTIENGESELLSCHAFT [DE/DE]	Abstract in English	<input type="checkbox"/>
14	1022944	GB	A	1966-03-16	CONTINENTAL OIL CO		<input type="checkbox"/>
15	60-046923	JP	A	1985-03-14	MITSUBISHI CHEM IND LTD	Abstract in English	<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

## **NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
--------------------	---------	---	----

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10823400
Filing Date	2004-04-13
First Named Inventor	Ralph Bauer
Art Unit	1796
Examiner Name	Tae H. Yoon
Attorney Docket Number	1035-A4363

1	L.A. BLANK et al., "Modification of fillers for Florion-4 with microfibrinous boehmite", Sov. Plast., 1972, 2, 66-67	<input type="checkbox"/>
2	Paul A. BUINING et al., "Preparation on (non-)aqueous dispersions of colloidal boehmite needles", Chemical Engineering Science, 48(2), 411-417, 1993	<input type="checkbox"/>
3	Johann BUITENHUIS et al., "Phase separation of mixtures of colloidal boehmite rods and flexible polymer," Journal of Colloid and Interface Science, 1995, 175, 46-56	<input type="checkbox"/>
4	V.G. FITZSIMMONS, W.A. ZISMAN, "Microfiber reinforcement of polytetrafluoroethylene", Modern Plastics, 1963, 40 (5), 151-154, 158, 160-162, 238-241	<input type="checkbox"/>
5	John BUGOSH et al., "A Novel fine alumina powder, fibrillar boehmite", I&EC Product Research and Development, Vol. 1, No. 3, September 1962	<input type="checkbox"/>
6	P.A. BUINING et al., "Preparation and properties of dispersions of colloidal boehmite rods", Progr Colloid Polym Sci 93:10-11 (1993)	<input type="checkbox"/>
7	Sridhar KOMARNENI, "Nanocomposites", J. Mater. Chem., 1992, 2(12), 1219-1230	<input type="checkbox"/>
8	S. FURUTA et al., "Preparation and properties of fibrous boehmite sol and its application for thin porous membrane", Journal of Materials Science Letters 13 (1994) 1077-1080	<input type="checkbox"/>
9	B.S. GEVERT and Zhong-Shu YING, "Formation of fibrillar boehmite", Journal of Porous Materials, 6, 63-67 (1999)	<input type="checkbox"/>
10	M.P.B. VAN BRUGGEN, "Preparation and properties of colloidal core-shell rods with adjustable aspect ratios", Langmuir 1998, 14, 2245-2255	<input type="checkbox"/>
11	John BUGOSH, "Colloidal alumina - the chemistry and morphology of colloidal boehmite", J. Phys. Chem., 1961, 65 (10), pp.1789-1793	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10823400
Filing Date	2004-04-13
First Named Inventor	Ralph Bauer
Art Unit	1796
Examiner Name	Tae H. Yoon
Attorney Docket Number	1035-A4363

12	Paul A. BUINING et al., "Effect of hydrothermal conditions on the morphology of colloidal boehmite particles: Implications for fibril formation and monodispersity", J. Am. Ceram. Soc., 1990, 73[8] 2385-90	<input type="checkbox"/>
13	I. Tjibburg et al., "Sintering of Pseudo-Boehmite and Gamma-Al <sub>2</sub> O <sub>3</sub> ," Journal of Materials Science, Vol. 26, No. 21, pgs. 5945-5949, 1991	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

**EXAMINER SIGNATURE**

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10823400
Filing Date	2004-04-13
First Named Inventor	Ralph Bauer
Art Unit	1796
Examiner Name	Tae H. Yoon
Attorney Docket Number	1035-A4363

**CERTIFICATION STATEMENT**

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- ☐ See attached certification statement.
- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☒ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/John R. Schell/	Date (YYYY-MM-DD)	2010-12-08
Name/Print	John R. Schell	Registration Number	50776

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

## Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.